



# EQUIPMENT / INSPECTION / DOCUMENT REQUIREMENTS



1. AIRCRAFT MUST HAVE THE FOLLOWING DOCUMENTS ON BOARD (AS PER FAR 91.9, 91.203 & 23.1589) [**"AROW"**]:
  - A. CURRENT **A**IRWORTHINESS CERTIFICATE.
  - B. CURRENT **R**EGISTRATION CERTIFICATE.
  - C. CURRENT AIRPLANE FLIGHT MANUAL OR PILOT'S **O**PERATING HANDBOOK.
  - D. CURRENT **W**EIGHT AND BALANCE PAPERWORK.
2. FOR **DAY VFR** FLIGHT, THE AIRCRAFT MUST HAVE THE FOLLOWING WORKING INSTRUMENTS AND EQUIPMENT (AS PER FAR 91.205):
  - A. AIRSPEED INDICATOR.
  - B. ALTIMETER.
  - C. MAGNETIC DIRECTION INDICATOR (COMPASS).
  - D. TACHOMETER FOR EACH ENGINE.
  - E. OIL PRESSURE GAUGE FOR EACH ENGINE USING PRESSURE SYSTEM.
  - F. TEMPERATURE GAUGE FOR EACH LIQUID-COOLED ENGINE.
  - G. OIL TEMPERATURE GAUGE FOR EACH AIR-COOLED ENGINE.
  - H. MANIFOLD PRESSURE GAUGE FOR EACH ALTITUDE ENGINE.
  - I. FUEL GAUGE INDICATING QUANTITY OF FUEL IN EACH TANK.
  - J. GEAR POSITION INDICATOR IF AIRCRAFT HAS RETRACTABLE GEAR.
  - K. EMERGENCY LOCATOR TRANSMITTER (REQUIRED IN ALL CAP AIRCRAFT).
3. FOR **NIGHT VFR** FLIGHT, THE AIRCRAFT MUST HAVE THE FOLLOWING ADDITIONAL WORKING INSTRUMENTS, AS WELL AS ALL INSTRUMENTS REQUIRED FOR DAY VFR FLIGHT (AS PER FAR 91.205):
  - A. POSITION LIGHTS.
  - B. ANTICOLLISION LIGHTS.
  - C. SPARE FUSES ACCESSIBLE TO THE PILOT IN FLIGHT.
4. FOR **IFR** FLIGHT, THE AIRCRAFT MUST HAVE THE FOLLOWING ADDITIONAL WORKING INSTRUMENTS AND EQUIPMENT, AS WELL AS ALL INSTRUMENTS REQUIRED FOR DAY AND NIGHT VFR FLIGHT (AS PER FAR 91.205):
  - A. RADIO AND NAVIGATION EQUIPMENT APPROPRIATE TO FACILITIES USED.
  - B. GYROSCOPIC RATE-OF-TURN INDICATOR (TURN AND BANK OR TURN COORDINATOR).
  - C. SLIP-SKIP INDICATOR ("BALL" IN RATE-OF-TURN INDICATOR).
  - D. CLOCK WITH SWEEP-SECOND HAND OR DIGITAL PRESENTATION.
  - E. GYROSCOPIC PITCH AND BANK INDICATOR (ARTIFICIAL HORIZON).
  - F. GYROSCOPIC DIRECTION INDICATOR (DIRECTIONAL GYRO).
5. REQUIRED INSPECTIONS (AS PER FAR 43.17 & FAR 91.207):
  - A. PITOT-STATIC, ALTIMETER AND TRANSPONDER SYSTEMS CHECKED AND CERTIFIED WITHIN PRECEDING 24 CALENDAR MONTHS.
  - B. VOR EQUIPMENT OPERATIONALLY CHECKED WITHIN PRECEDING 30 DAYS AND FOUND WITHIN TOLERANCE (4° COMPARISON GROUND OR FLIGHT; 6° AIRBORNE VOR CHECK POINT) FOR IFR FLIGHT.
  - C. EMERGENCY LOCATOR TRANSMITTER BATTERY MUST BE REPLACED WHEN 50% OF ITS USEFUL LIFE HAS ELAPSED.

**INOPERATIVE EQUIPMENT IS TO BE PLACARDED AS SUCH BY PIC!**